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**In the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.    (Currently Amended) A Network security testing apparatus comprising:

a first tester that is adapted to communicably couple to a system under ~~test~~, test, ~~wherein~~ said first tester is adapted to <u>sequentially</u> perform a plurality of tests on the system under test; ·

wherein the plurality of tests ~~includes a first test and a second test, each of which is~~ <u>are</u> adapted to return system environment information regarding the system under test;

~~wherein the first test is executed before the second test; and~~

wherein ~~the first test differs from the second test in that the second test is~~ <u>each of the</u> <u>plurality of tests are</u> more specific to the system under test based on information gained from ~~the first~~ <u>a previous</u> test.

2.    (Currently Amended) The network security testing apparatus of claim 1, <u>wherein the</u> <u>plurality of test comprises at least three tests.</u>

~~wherein no tests are performed on the system under test after the first test and before the~~ ~~second test;~~

~~wherein the time period between the first test and the second test can be negligible.~~

3.    (Currently Amended) The network security testing apparatus of claim 1, wherein the ~~second~~ <u>a subsequent</u> test is based at least partially upon system environment information detected by ~~the first a~~ <u>the previous</u> test.

4.    (Original) The network security testing apparatus of claim 3, wherein the system environment information includes information regarding network connectivity from the first tester to the system under test.

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5.     (Currently Amended)  The network security testing apparatus of claim 3, wherein the system environment information includes ~~security obstacle~~ <u>network security vulnerability</u> information.

6.     (Currently Amended)  The network security testing apparatus of claim 5, wherein the ~~security obstacle~~ <u>network security vulnerability</u> information includes ~~session establishability~~ <u>connection</u> information relating to an IP address used in the <u>previous</u> ~~first~~ test.

7.     (Currently Amended)   The network security testing apparatus of claim 3, further comprising:

a second tester that is adapted to communicably couple to a system under test;

wherein the ~~first~~ <u>previous</u> test is executed by said first tester;

wherein determination of whether the ~~second~~ <u>subsequent</u> test is executed by said first tester or by said second tester is made based at least partially upon the system environment information.

8.     (Currently Amended)  The network security testing apparatus of claim 3, wherein the ~~second~~ <u>subsequent</u> test includes execution of a test tool selected from a plurality of test tools based at least partially upon the system environment information.

9.     (Original)  The network security testing apparatus of claim 1, wherein said first tester is adapted to execute an additional test of the plurality of tests if said first tester has not yet definitely gathered all possible system environment information about the system under test, in light of the plurality of tests.

10.    (Currently Amended)  <u>The network security testing apparatus of Claim 1, wherein the plurality of tests continue until all relevant information about the system under test has been collected.</u> ~~The network security testing apparatus of claim 2, wherein the second test is based at least partially upon system environment information detected by the first test.~~

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11.     (Currently Amended) The network security testing apparatus of claim 7, wherein the second subsequent test includes execution of a test tool selected from a plurality of test tools based at least partially upon the system environment information.

12.     (Original) The network security testing apparatus of claim 3, wherein said first tester is adapted to execute an additional test of the plurality of tests if said first tester has not yet definitely gathered all possible system environment information about the system under test, in light of the plurality of tests.

13.     (Currently Amended) A network security testing method comprising:

        a) executing a first test by a first tester, wherein the first test is targeted at a system under test, and wherein the first tester is communicably coupled to the system under test;

        b) receiving first information from the first test about the system under test, after
5   executing the first test;

        c) executing a second test after said receiving first information, wherein the second test is more specific to the system under test based on the first information;

        d) receiving second information from the second test about the system under test, after executing the second test; and

10          e) repeating steps a)-d) a plurality of times until all relevant information about the system under test has been collected; and

        f) wherein the second information is more specific to the system under test based on the first information.

14.     (Original) The network security testing method of claim 13, wherein the time period between said executing the first test and said executing the second test can be negligible.

15.     (Original) The network security testing method of claim 13, wherein said receiving first information comprises receiving system environment information.

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16.    (Original)  The network security testing method of claim 15, wherein said receiving system environment information comprises receiving information regarding network connectivity from the first tester to the system under test.

17.    (Currently Amended)  The network security testing method of claim 15, wherein said receiving system environment information comprises receiving ~~security obstacle~~ network security vulnerability information.

18    (Currently Amended)  The network security testing method of claim 17, wherein said receiving ~~security obstacle~~ network security vulnerability information comprises receiving ~~session establishability~~ connection information relating to an IP address used in said executing the first test.

19.    (Original)  The network security testing method of claim 15, further comprising determining whether the second test will be executed by the first tester or by a second tester based at least partially upon the system environment information, before said executing the second test.

20.    (Original)  The network security testing method of claim 15, further comprising selecting the second test from a plurality of tests based at least partially upon the system environment information.

21.    (Original)  The network security testing method of claim 13, further comprising:
       determining whether all possible information regarding the system under test has been received in light of the plurality of tests; and
       executing additional tests until all possible information regarding the system under test has been received in light of the plurality of tests.

22.    (Original)  The network security testing method of claim 14, wherein said receiving first information comprises receiving system environment information.

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23.     (Original) The network security testing method of claim 19, further comprising selecting the second test from a plurality of tests based at least partially upon the system environment information.

24,     (Original) The network security testing method of claim 15, further comprising:

determining whether all possible system environment information regarding the system under test has been received in light of the plurality of tests; and

executing additional tests until all possible system environment information regarding the system under test has been received in light of the plurality of tests.

25.     (Currently Amended) A computer program product for network security testing stored in a computer-readable medium, comprising:

a) instructions for executing a first test by a first tester, wherein the first test is targeted at a system under test, and wherein the first tester is communicably coupled to the system under test;

b) instructions for receiving first information from the first test about the system under test, after executing the first test;

c) instructions for executing a second test after receiving first information, wherein the second test is more specific to the system under test based on the first information;

d) instructions for receiving second information from the second test about the system under test, after executing the second ~~test;~~ test; ~~and~~

e) instructions for repeating a) - d) a plurality of times until all relevant information about the system under test has been collected; and

f) wherein the second information is more specific to the system under test based on the first information.

26.     (Original) The computer program product of claim 25, wherein the time period between executing the first test and executing the second test can be negligible.

27.     (Original) The computer program product of claim 25, wherein receiving first information comprises receiving system environment information.

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28.    (Original)   The computer program product of claim 27, wherein receiving system environment information comprises receiving information regarding network connectivity from the first tester to the system under test.

29.    (Currently Amended)  The computer program product of claim 27, wherein said receiving system environment information comprises receiving ~~security obstacle~~ network security vulnerability information.

30.    (Currently Amended)  The computer program product of claim 29, wherein receiving ~~security obstacle~~ network security vulnerability information comprises receiving session establishability information relating to an IP address used in executing the first test.

31.    (Original)  The computer program product of claim 27, further comprising instructions for determining whether the second test will be executed by the first tester or by a second tester based at least partially upon the system environment information.

32.    (Original)  The computer program product of claim 27, further comprising instructions for selecting the second test from a plurality of tests based at least partially upon the system environment information.

33.    (Original)  The computer program product of claim 25, further comprising:
       instructions for determining whether all possible information regarding the system under test has been received in light of the plurality of tests; and
       instructions for executing additional tests until all possible information regarding the system under test has been received in light of the plurality of tests.

34.    (Original)   The computer program product of claim 26, wherein receiving first information comprises receiving system environment information.

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35.    (Original) The computer program product of claim 31, further comprising instructions for selecting the second test from a plurality of tests based at least partially upon the system environment information.

36.    (Original) The computer program product of claim 31, further comprising:

instructions for determining whether all possible system environment information regarding the system under test has been received in light of the plurality of tests; and

instructions for executing additional tests until all possible system environment

5    information regarding the system under test has been received in light of the plurality of tests.

37.    (Canceled) ~~A network security testing apparatus comprising:~~
~~a customer profile;~~
~~a plurality of test tools;~~
10    ~~a first tester that is adapted to communicably couple to a system under test;~~
~~wherein a selected test tool is selected from said plurality of test tools based at least partially upon said customer profile; and~~
~~wherein said first tester is adapted to execute the selected test tool so as to test the system under test.~~

38.    (Canceled) ~~The network security testing apparatus of claim 37, wherein said customer profile is determined based at least partially upon an initial mapping.~~

39.    (Canceled) ~~The network security testing apparatus of claim 37, wherein the customer profile is based at least partially on information provided by a third party.~~

40.    (Canceled) ~~The network security testing apparatus of claim 37, wherein the customer profile is at least partially produced by the method of claim 24.~~

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41.    (Canceled) ~~The network security testing apparatus of claim 37, further comprising:~~
~~a second tester that is adapted to communicably couple to the system under test;~~
~~wherein determination of whether the first tester or the second tester executes the selected~~
~~test tool is based at least partially upon said customer profile.~~

42.    (Canceled) ~~The network security testing apparatus of claim 41, wherein said customer~~
~~profile is determined based at least partially upon an initial mapping.~~

43.    (Canceled) ~~The network security testing apparatus of claim 42, wherein the customer~~
~~profile is at least partially produced by the method of claim 24.~~

44.    (Canceled) ~~A network security testing method comprising:~~
~~selecting a selected test tool from a plurality of test tools based at least partially upon a~~
~~customer profile; and~~
~~executing the selected test tool by a first tester so as to test a system under test, wherein~~
~~the first tester is communicably coupled to the system under test.~~

45.    (Canceled) ~~The network security testing method of claim 44, further comprising:~~
~~performing an initial mapping of the system under test; and~~
~~creating the customer profile based at least partially upon the initial mapping.~~

46.    (Canceled) ~~The network security testing method of claim 44, wherein the customer~~
~~profile is based at least partially on information provided by a third party.~~

47.    (Canceled) ~~The network security testing method of claim 44, wherein the customer~~
~~profile is at least partially produced by the method of claim 24.~~

48.    (Canceled) ~~The network security testing method of claim 44, further comprising~~
~~selecting the first tester from a plurality of testers based at least partially upon a customer profile.~~

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49.    (Canceled) ~~The network security testing method of claim 48, further comprising:~~
~~performing an initial mapping of the system under test; and~~
~~creating the customer profile based at least partially upon the initial mapping.~~

50.    (Canceled) ~~The network security testing method of claim 49, wherein the customer~~
~~profile is at least partially produced by the method of claim 24.~~

51.    (Canceled) ~~A computer program product for network security testing stored in a~~
~~computer-readable medium, comprising:~~
~~instructions for selecting a selected test tool from a plurality of test tools based at least~~
~~partially upon a customer profile; and~~
5    ~~instructions for executing the selected test tool by a first tester so as to test a system under~~
~~test, wherein the first tester is communicably coupled to the system under test.~~

52.    (Canceled) ~~The computer program product of claim 51, further comprising instructions~~
~~for creating the customer profile based at least partially upon an initial mapping.~~

53.    (Canceled) ~~The computer program product of claim 51, wherein the customer profile~~
~~is based at least partially on information provided by a third party.~~

54.    (Canceled) ~~The computer program product of claim 51, wherein the customer profile~~
~~is at least partially produced by the method of claim 24.~~

55.    (Canceled) ~~The computer program product of claim 51, further comprising instructions~~
~~for selecting the tester from a plurality of testers based at least partially upon a customer profile.~~

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56.    (Canceled) ~~The computer program product of claim 53, further comprising:~~
~~instructions for performing an initial mapping of the system under test; and~~
~~instructions for creating the customer profile based at least partially upon the initial~~
~~mapping.~~

57.    (Canceled) ~~The computer program product of claim 56, wherein the customer profile~~
~~is at least produced by the method of claim 24.~~

58.    (Currently Amended)  A network security testing apparatus comprising:

a plurality of testers;

~~a customer profile;~~

wherein each of said plurality of testers is adapted to communicably couple to a system

under test; ~~and~~

wherein a test of the system under test is performed by a selected tester of said plurality

of testers, testers: ~~the selected tester being selected from said plurality of testers based at least partially~~

~~upon said customer profile.~~

wherein said plurality of testers has a load balance characteristic describing a degree of

balance of loads of testers of said plurality of testers; and

wherein the selected tester is selected from said plurality of testers based at least partially

on optimizing the load balance characteristic.

59.    (Canceled) ~~The network security testing apparatus of claim 58, wherein said customer~~
~~profile is determined based at least partially upon an initial mapping.~~

60.    (Canceled) ~~The network security testing apparatus of claim 58, wherein the customer~~
~~profile is at least partially produced by the method of claim 24.~~

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61.     (Canceled) ~~The network security testing apparatus of claim 58,~~
~~wherein said plurality of testers has a load balance characteristic describing a degree of~~
~~balance of loads of testers of said plurality of testers; and~~
~~wherein the selected tester is selected from said plurality of testers based at least partially~~
5   ~~on optimizing the load balance characteristic.~~

62.     (Original) The network security testing apparatus of claim 58,
wherein each tester of said plurality of testers has at least one quality of communicable
coupling to the system under test; and
wherein the selected tester is selected from said plurality of testers based at least partially
5   on the selected tester's quality of communicable coupling.

63.     (Original) The network security testing apparatus of claim 62, wherein the quality of
communicable coupling includes:
cost per bit;
absolute speed; and
5   geographical proximity of the selected tester to the system under test.

64.     (Currently Amended) A network security testing method comprising:
selecting a selected tester from a plurality of testers ~~based at least partially upon a~~
~~customer profile; and~~
executing a test by the selected tester, wherein the test is targeted at a system under test,
5   and wherein the selected tester is communicably coupled to the system under <u>test;</u> ~~test.~~
<u>wherein the plurality of testers has a load balance characteristic describing a degree of</u>
<u>balance of loads of testers of the plurality of testers; and</u>
<u>wherein said selecting a selected tester from a plurality of testers is further based at least</u>
<u>partially on optimizing the load balance characteristic.</u>

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65.    (Canceled) ~~The network security testing method of claim 64, further comprising:~~
~~performing an initial mapping of the system under test; and~~
~~creating the customer profile based at least partially upon the initial mapping.~~

66.    (Canceled) ~~The network security testing method of claim 64, wherein the customer~~
~~profile is at least partially produced by the method of claim 24.~~

67.    (Canceled) ~~The network security testing method of claim 64,~~
~~wherein the plurality of testers has a load balance characteristic describing a degree of~~
~~balance of loads of testers of the plurality of testers; and~~
~~wherein said selecting a selected tester from a plurality of testers is further based at least~~
5     ~~partially on optimizing the load balance characteristic.~~

68.    (Original)  The network security testing method of claim 64,
wherein each tester of the plurality of testers has at least one quality of communicable
coupling to the system under test; and
wherein said selecting a selected tester from a plurality of testers is further based at least
5     partially on the selected tester's quality of communicable coupling.

69.    (Currently Amended)  The network security testing ~~apparatus~~ method of claim 68,
wherein the quality of communicable coupling includes:
cost per bit;
absolute speed; and
5     geographical proximity of the selected tester to the system under test.

70.    (Currently Amended) A computer program product for network security testing stored
in a computer-readable medium, comprising:
instructions for selecting a selected tester from a plurality of testers ~~based at least~~
~~partially upon a customer profile; and~~

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5      instructions for executing a test by the selected tester, wherein the test is targeted at a system tinder test; and wherein the selected tester is communicably coupled to the system under ~~test:~~ test:

wherein the plurality of testers has a load balance characteristic describing a degree of balance of loads of testers of the plurality of testers; and

10      wherein the selecting a selected tester from a plurality of testers is further based at least partially on optimizing the load balance characteristic.

71.    (Canceled) ~~The computer program product of claim 70, further comprising:~~
~~instructions for performing an initial mapping of the system under test; and~~
~~instructions for creating the customer profile based at least partially upon the initial mapping.~~

72.    (Canceled) ~~The computer program product of claim 70, wherein the customer profile is at least partially produced by the method of claim 24.~~

73.    (Canceled) ~~The computer program product of claim 70,~~
~~wherein the plurality of testers has a load balance characteristic describing a degree of balance of loads of testers of the plurality of testers; and~~
~~wherein the selecting a selected tester from a plurality of testers is further based at least~~
5      ~~partially on optimizing the load balance characteristic.~~

74.    (Currently Amended) The computer program product ~~network security testing method~~ of claim 70,

wherein each tester of the plurality of testers has at least one quality of communicable coupling to the system under test; and

5      wherein the selecting a selected tester from a plurality of testers is further based at least partially on the selected tester's quality of communicable coupling.

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75.    (Currently Amended) The ~~computer program product~~ network security testing apparatus of claim 74, wherein the quality of communicable coupling includes:

    cost per bit;

    absolute speed; and

5    geographical proximity of the selected tester to the system under test.


76.    (Original) A network security testing apparatus comprising:

    a first tester that is adapted to communicably couple to a system under test, wherein said first tester is adapted to perform a test on the system under test;

    wherein said first tester is adapted to make a first attempt to communicably couple to the

5    system under test before the test;

    wherein said first tester is adapted to make a second attempt to communicably couple to the system under test after the test; and

    wherein the combination of success of the first attempt and failure of the second attempt are interpreted as detection of the test by the system under test.


77.    (Original) The network security testing apparatus of claim 76, wherein each test returns security obstacle information of the system under test.


78.    (Original) The network security testing apparatus of claim 76,

    wherein the first attempt is made using a first originating IP address;

    wherein the second attempt is made using a second originating IP address that is essentially the same as the first originating IP address;

5    wherein a third attempt to communicably couple to the system under test is made using a third originating IP address that is different from the second originating IP address; and

    wherein the combination of success of the first attempt, failure of the second attempt, and success of the third attempt is interpreted as a possibility including the detection; and

    wherein the combination of success of the first attempt, failure of the second attempt, and

10    failure of the third attempt is interpreted as a possibility including:

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a network connectivity problem between the first tester and the system under test; and the detection.

79.     (Original)  The network security testing apparatus of claim 77, further comprising:

a second tester that is adapted to communicably couple to the system under test;

wherein the combination of success of the first attempt, failure of the second attempt, and success of the third attempt is interpreted as a possibility including the detection; and

5                       wherein the combination of success of the first attempt, failure of the second attempt, and failure of the third attempt is interpreted as a possibility including a network connectivity problem between the first tester and the system under test.

80.     (Original)  A network security testing method comprising:

10                      attempting a first communicable coupling by a first tester to a system under test;

executing a test by the first tester, wherein the test is targeted at the system under test;

attempting a second communicable coupling by the first tester to the system under test; and

interpreting the combination success of the first communicable coupling and failure of

15      the second communicable coupling as detection of the test by the system under test.

81.     (Original)  The network security testing method of claim 80, further comprising receiving security obstacle information of the system under test, responsively to said executing the test.

82.     (Original)  The network security testing method of claim 80, further comprising:

attempting a third communicable coupling to the system under test;

wherein said attempting a first communicable coupling is made using a first originating IP address;

5                       wherein said attempting a second communicable coupling is made using a second originating IP address that is essentially the same as the first originating IP address;

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wherein said attempting a third communicable coupling is made using a third originating IP address that is different from the second originating IP address;

wherein the combination of success of said attempting a first communicable coupling,

10    failure of said attempting a second communicable coupling, and success of said attempting a third communicable coupling is interpreted as a possibility including the detection; and

wherein the combination of success of said attempting a first communicable coupling, failure of said attempting a second communicable coupling, and failure of said attempting a third communicable coupling is interpreted as a possibility including:

15        a network connectivity problem between the first tester and the system under test; and the detection.

83.    (Original) The network security testing method of claim 80, further comprising:
    attempting a third communicable coupling by a second tester to the system under test;
    wherein the combination of success of said attempting a first communicable coupling, failure of said attempting a second communicable coupling, and success of said attempting a

5    third communicable coupling is interpreted as a possibility including the detection; and

wherein the combination of success of said attempting a first communicable coupling, failure of said attempting a second communicable coupling, and failure of said attempting a third communicable coupling is interpreted as a possibility including a network connectivity problem between the first tester and the system under test.

84.    (Original)  A computer program product for network security testing stored in a computer-readable medium, comprising:
    instructions for attempting a first communicable coupling by a first tester to a system under test;

5        instructions for executing a test by the first tester, wherein the test is targeted at the system under test;
    instructions for attempting a second communicable coupling by the first tester to the system under test; and

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instructions for interpreting the combination of success of the first communicable

10        coupling and failure of the second communicable coupling as detection of the test by the system

under test.


85.        (Currently Amended)  The computer program product of claim 84, further comprising

instructions for receiving ~~security obstacle~~ network security vulnerability information of the system

under test, responsively to said executing the test.


86.        (Original)  The computer program product of claim 84, further comprising:

instructions for attempting a third communicable coupling to the system under test;

wherein the attempting a first communicable coupling is made using a first originating

IP address;

5                wherein the attempting a second communicable coupling is made using a second

originating IP address that is essentially the same as the first originating IP address;

wherein the attempting a third communicable coupling is made using a third originating

IP address that is different from the second originating IP address;

wherein the combination of success of the attempting a first communicable coupling,

10        failure of the attempting a second communicable coupling, and success of the attempting a third

communicable coupling is interpreted as a possibility including the detection; and

wherein the combination of success of the attempting a first communicable coupling,

failure of the attempting a second communicable coupling, and failure of the attempting a third

communicable coupling is interpreted as a possibility including:

15                a network connectivity problem between the first tester and the system under test; and

the detection.


87.        (Original)  The computer program product of claim 84, further comprising:

instructions for attempting a third communicable coupling by a second tester to the

system under test;

wherein the combination of success of said attempting a first communicable coupling,

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failure of said attempting a second communicable coupling, and success of said attempting a third communicable coupling is interpreted as a possibility including the detection; and

wherein the combination of success of said attempting a first communicable coupling, failure of said attempting a second communicable coupling, and failure of said attempting a third

5        communicable coupling is interpreted as a possibility including a network connectivity problem between the first tester and the system under test.


88.      (Currently Amended)  A network security testing apparatus comprising:

a tester communicably coupled to a system under test;

a test tool;

an application programming interface (API) adapted to interface between said tester and

5        said test tool, said API further including an API stub enabling said test tool to be executed by said tester even if the outputs of said tester do not directly correspond to the inputs of said test tool, and such that said test tool may be executed by said tester even if the inputs of said tester do not directly correspond to the outputs of said test tool, said API further including a common API for interfacing between the test tool and instructions provided to the test tool; and

10       ~~wherein said API is adapted to interface between said tester and said test tool, such that said test tool may be executed by said tester even if the outputs of said tester do not directly correspond to the inputs of said test tool, and such that said test tool may be executed by said tester even if the inputs of said tester do not directly correspond to the outputs of said test tool;~~

~~wherein said tester is adapted to be communicably coupled to a system under test; and~~

15       wherein said tester is adapted to test the system under test by execution of said test tool.


89.      (Original)  A network security testing method comprising:

adapting an application programming interface (API) to interface between a tester and a test tool, such that the test tool may be executed by the tester even if the outputs of the tester do not directly correspond to the inputs of the test tool, and such that the test tool may be executed

5        by the tester even if the inputs of the tester do not directly correspond to the outputs of the test tool;

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executing the test tool by the tester;

wherein the test tool is targeted at a system under test; and

wherein the tester is communicably coupled to the system under test.

90.    (Original)   A computer program product for network security testing stored in a computer-readable medium, comprising:

instructions for adapting an application programming interface (API to interface between a tester and a test tool, such that the test tool may be executed by the tester even if the outputs of the
5    tester do not directly correspond to the inputs of the test tool, and such that the test tool may be executed by the tester even if the inputs of the tester do not directly correspond to the outputs of the test tool;

instructions for executing the test tool by the tester;

wherein the test tool is targeted at a system under test; and
10    wherein the tester is communicably coupled to the system under test.

91.    (Canceled)   A network security testing apparatus comprising:

a tester that is communicably coupled to a system under test, wherein said tester is adapted to test the system under test;

wherein said tester is adapted to execute a first test tool to test the system under test,
5    wherein said tester is adapted to execute a second test tool to test the system under test, and

wherein a time period of selected length is interposed between the execution of the first test tool and the execution of the second test tool during which said tester does not test the system under test.

92.    (Canceled)   The network security testing apparatus of claim 91,

wherein the selected length is of random length; and

wherein each test returns security obstacle information of the system under test.

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93.    (Canceled) ~~A network security testing method comprising:~~
~~executing a first test tool by a tester, wherein the first test tool is targeted at a system~~
~~under test, and wherein the tester is communicably coupled to the system under test;~~
~~executing a second test tool by the tester, wherein the second test tool is targeted at the~~
5    ~~system under test; and~~
~~selecting a time period of selected length to follow said executing the first test tool and~~
~~precede said executing the second test tool.~~

94.    (Canceled) ~~The network security testing method of claim 93, further comprising:~~
~~receiving security obstacle information of the system under test, responsively to said~~
~~executing the first test tool and responsively to said executing the second test tool;~~
~~wherein said selecting a time period of selected length comprises selecting a time period~~
5    ~~of random length.~~

95.    (Canceled) ~~A computer program product for network security testing stored in a~~
~~computer-readable medium, comprising:~~
~~instructions for executing a first test tool by a tester, wherein the first test tool is targeted~~
~~at a system under test, 2nd wherein the tester is communicably coupled to the system under test;~~
5    ~~instructions for executing a second test tool by the tester, wherein the second test tool~~
~~is targeted at the system under test; and~~
~~instructions for selecting a time period of selected length to follow execution of the first~~
~~test tool and precede the execution of the second test tool.~~

96.    (Canceled) ~~The computer program product of claim 95, further comprising~~
~~instructions for receiving security obstacle information of the system under test,~~
~~responsively to executing the first test tool and responsively to executing the second test~~
~~tool;~~
5    ~~wherein the selected length is of random length.~~

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97.    (Canceled) ~~A network security testing apparatus comprising:~~

~~a plurality of testers;~~

~~a plurality of test tools;~~

~~wherein each of said plurality of testers is adapted to communicably couple to a system~~
5  ~~under test; and~~

~~wherein a random one of said plurality of test tools is executed by a random one of said~~
~~plurality of testers, the random one of said plurality of test tools being executed so as to target the~~
~~system under test, whereby the system under test is tested.~~

98.    (Canceled) ~~The network security testing apparatus of claim 97, wherein the random one~~
~~of said plurality of test tools is adapted to return security obstacle~~ <u>network security vulnerability</u>
~~information of the system under test, responsively to being executed.~~

99.    (Canceled) ~~A network security testing method comprising:~~

~~randomly selecting a one of a plurality of test tools;~~

~~randomly selecting a one of a plurality of testers;~~

~~executing the one of the plurality of test tools by the one of the plurality of testers;~~

5  ~~wherein the one of the plurality of test tools is targeted at a system under test, and~~

~~wherein the one of the plurality of testers is communicably coupled to the system under~~
~~test.~~

100.    (Canceled) ~~The network security testing method of claim 99, further comprising~~
~~receiving security obstacle information of the system under test, responsively to said executing the one~~
~~of the plurality of test tools.~~

101.    (Canceled) ~~A computer program product for network security testing stored in a~~
~~computer-readable medium, comprising:~~

~~instructions for randomly selecting a one of a plurality of test tools;~~

~~instructions for randomly selecting a one of a plurality of testers;~~

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5 ~~instructions for executing the one of the plurality of test tools by the one of the plurality of testers;~~

~~wherein the one of the plurality of test tools is targeted at a system under test; and~~

~~wherein the one of the plurality of testers is communicably coupled to the system under test.~~

102.    (Canceled) ~~The computer program product of claim 101, further comprising instructions for receiving security obstacle information of the system under test, responsively to executing the one of the plurality of test tools.~~

103.    (New)  A network security testing apparatus comprising:

a plurality of testers;

wherein each of said plurality of testers is adapted to communicably couple to a system under test;

5    wherein each tester of said plurality of testers has at least one quality of communicable coupling to the system under test, the at least one quality of communicable coupling including cost per bit, absolute speed, and geographical proximity of the selected tester to the system under test;

wherein a test of the system under test is performed by a selected tester of said plurality of testers, the selected tester being selected from said plurality of testers based at least partially upon

10    said customer profile; and

wherein the selected tester is selected from said plurality of testers based at least partially on the selected tester's quality of communicable coupling.

104.    (New)  A network security testing method comprising:

selecting a selected tester from a plurality of testers based at least partially on a tester's quality of communicable coupling, the quality of communicable coupling including at least one of cost per bit, absolute speed, and geographical proximity of the selected tester to the system under test; and

5    executing a test by the selected tester, wherein the test is targeted at a system under test, and wherein the selected tester is communicably coupled to the system under test.

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105.    (New)  A computer program product for network security testing stored in a computer readable medium, comprising:

instructions for selecting a selected tester from a plurality of testers based at least partially on a tester's quality of communicable coupling, the quality of communicable coupling including at least one of cost per bit, absolute speed, and geographical proximity of the selected tester to the system under test; and

instructions for executing a test by the selected tester, wherein the test is targeted at a system under test, wherein the selected tester is communicably coupled to the system under test.

106.    (New)  A network security testing apparatus, comprising:

a first tester that is adapted to communicably couple to a system under test and perform tests under the system under test;

wherein said first tester makes a pre-verification test on the system under test to confirm the first tester can reach the system under test; and

wherein said first tester makes a post verification test on the system under test to determine if the first tester has tripped a defensive mechanism in the system under test.

107.    (New)  The network security testing apparatus of Claim 106, further wherein additional tests are performed to the system under test between the pre-verification test and the post verification test.

108.    (New)  A network security testing method comprising:

communicably coupling a first tester to a system under test;

performing a pre-verification test on the system under test to confirm the first tester can reach the system under test; and

performing a post verification test on the system under test to determine if the first tester has tripped a defensive mechanism in the system under test.

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109.    (New) The network security testing method of Claim 108, further including the step of performing additional tests on the system under test between the pre-verification test and the post verification test.

110.    (New) A computer program product for network security testing stored in a computer readable medium, comprising:

      instructions for communicably coupling a first tester to a system under test;

      instructions for performing a pre-verification test on the system under test to confirm the

5    first tester can reach the system under test; and

      instructions for performing a post verification test on the system under test to determine if the first tester has tripped a defensive mechanism in the system under test.

111.    (New) The computer program product for network security testing of Claim 110, further instructions for performing additional tests on the system under test between the pre-verification test and the post verification test.